

**DIGITAL TONE CONTROLS AND SYSTEMS USING THE SAME**

**ABSTRACT OF THE DISCLOSURE**

Digital tone controls 500 include a first path 502 including a digital filter 504 and a scaler 505 for controlling a level of a low frequency component of a received digital audio signal. A second 502 includes a digital filter 504 and a scaler 505 for controlling a level of a high frequency component of the received digital audio signal. A third path 503 includes a scaler 506 for controlling a level of an unfiltered component of the received audio signal. A summer 507 adds a contribution from each of the paths to generate a composite signal having a selected gain-frequency response.

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